

Fig. 1A

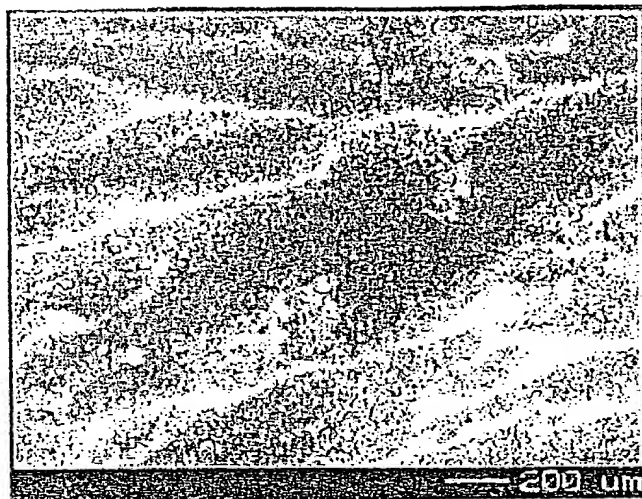


Fig. 1B

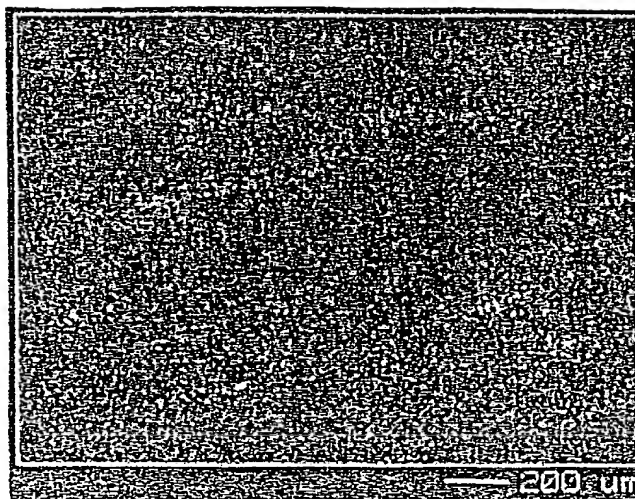


Fig. 2A

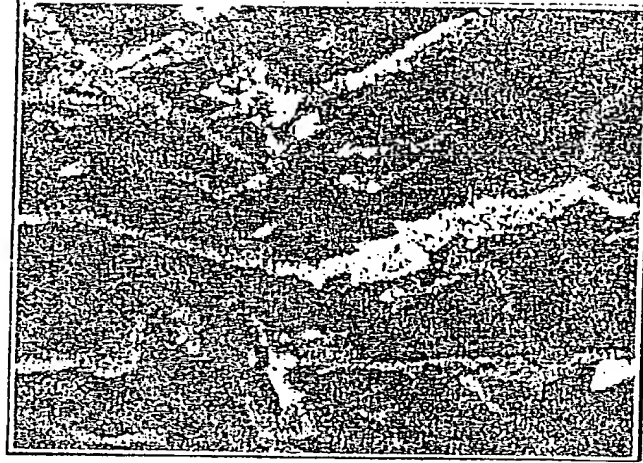
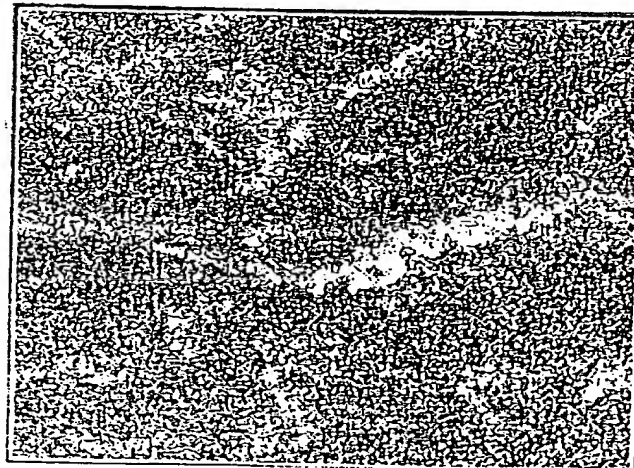


Fig. 2B



000011 040112500

Fig. 3A



Fig. 3B



00001" 040012300

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Fig. 4A

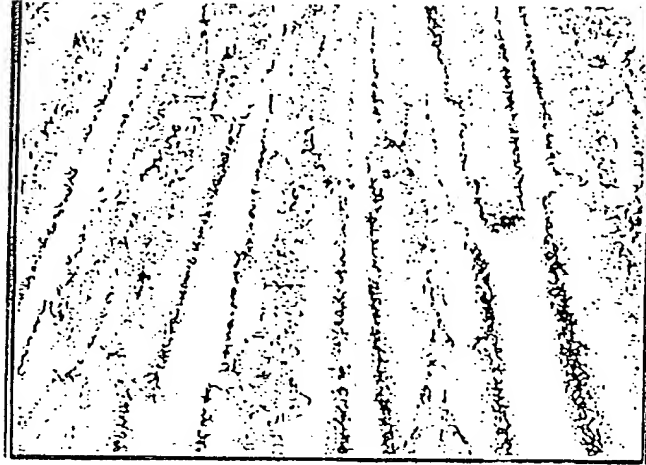


Fig. 4B



Fig. 5

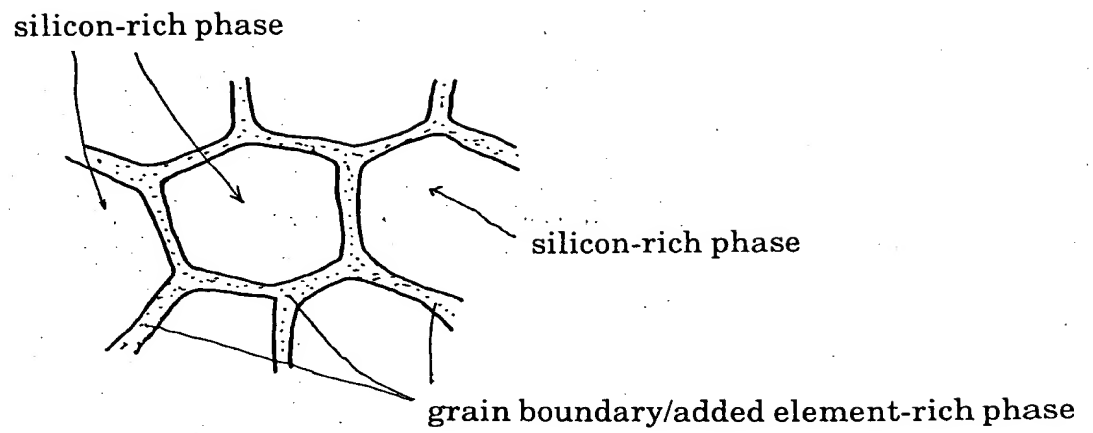


Fig. 6A

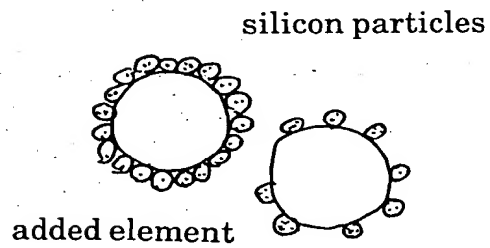


Fig. 6B

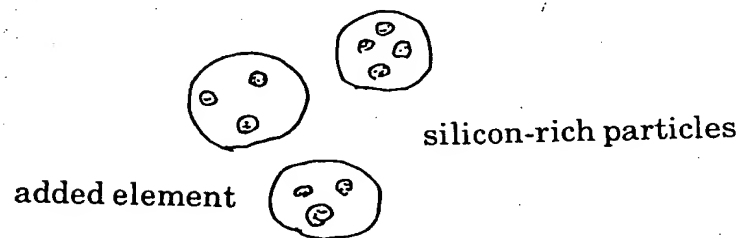


Fig. 7A

	Ge + P
Si	
	Ge + P
Si	
	Ge + P
Si	
	Ge + P
Si (111)/ (100)	

Fig. 7B

after heat treatment

	Ge + P + $\Delta$ Si
Si + $\Delta$ P + $\Delta$ Ge	
	Ge + P + $\Delta$ Si
Si + $\Delta$ P + $\Delta$ Ge	
	Ge + P + $\Delta$ Si
Si + $\Delta$ P + $\Delta$ Ge	
	Ge + P + $\Delta$ Si
Si (111)/(100)	

Fig. 8

	Ge + P + Si
Si + Ge	
	Ge + P + Si
Si + Ge	
	Ge + P + Si
Si + Ge	
	Ge + P + Si
Si (111)/(100)	